

In-band Managed Platform FRM220-FXO/FXS



Fiber Optic Phone Line (POTs) Extender

FRM220-FXO/FXS POTS phone line converter extender system is used to connect Central-Office voice signals to distant Plain Old Telephone device (POTS), using the standard telephone signaling. FRM220-FXO/FXS is fiber media transport for POTS transmission and features an RJ-11C for copper connection. FRM220-FXO/FXS are required to implement an end to end system. FXO mode connects to a telephone line or PBX and has ability to detect ringing voltages and to act as a telephone. FXS mode is the reciprocal unit and has ability to act as Central Office and connects to a telephone device.

Features

- Support telephone voice transmission
- Supports caller ID function
- Supports multi-mode or single mode fiber
- Supports FXO or FXS mode
- Supports auto-ring function
- Also available for rack type (FRM220)

Specification

FXO RJ-11C Interface Specification

- Interface Connector : RJ-11C
- Impedance : 600 ohms
- REN : 0.4B
- Loop Current : 10 to 100mA
- Insert Loss : 0.0 1.0dB at 1000Hz

FXS RJ-11C Interface Specification

- Interface Connector : RJ-11C
- Impedance : 600 ohms
- Feedback Voltage : 48VDC+/-5V
- Ring : 90Vp-p
- Frequency : 15-30Hz
- Insert Loss: 0.0 1.0dB at 1000H

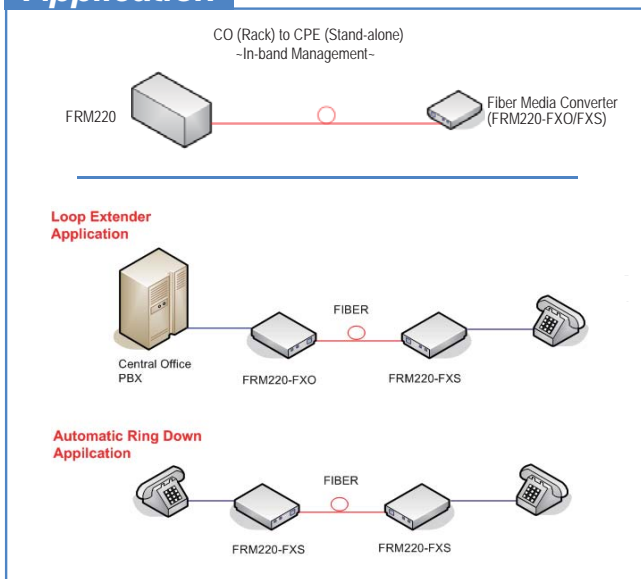
Fiber Interface Specification

- Transceiver Connector type: SC
- Wavelength: 1310nm, 1550nm,
- Fiber Type: 9/125um single mode; 62.2/125um multi-mode

General Specification

- 6 diagnostic LEDs : Power, FLK(FX-Link) , Test, Di/DO
- Temperature: 0 - 50° C (Operating); 0 - 70° C (Storage).
- Humidity: 20-80% non-condensing (Operating); 10-90% (Storage).
- Power: DC Jack : Switching adaptor (12V, 1A) Consumption: < 4W
- Dimensions: 155mm x 88mm x 23mm (LxWxH).
- Weight: 120g.
- Compliance: FCC part 15, Subpart B, Class A, ANSI C63.4:2003 CE EN55022:2006, Class A EN55024:1998+A1:2001+A2:2003 LVD: EN60950-1:2001
- MTBF: 65,000 h (25°C)

Application



Ordering Information

- **FRM220-FXO/FXS** In-band managed POTs 2-wire copper to fiber media converter